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# **PROJECT DOCUMENTATION**

## **CODECLAUSE INTERNSHIP**

<b>Project ID - #CC9881</b>
<b>Project Title - Number Guessing Game</b>
<b>Internship Domain - Python Development Intern</b>
<b>Project Level - Entry Level</b>
<b>Assigned By- CodeClause Internship</b>
<b>Assigned To- Akash Yadav</b>

<b>Start Date - 01 Feb 2024</b>	<b>End Date - 01 Mar 2024</b>
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**Project Details-**

**Aim -**

Build a number guessing game where the computer generates a random number, and the user has to guess it.

**Description-**

Create a game where the computer selects a random number, and the player guesses it. Provide hints on whether the guessed number is too high or too low.

**Technologies-**

Python  
You can use other technologies that you know.

**What You Learn-**

Random number generation, User input handling, Conditional statements

<b>Project ID - #CC9882</b>
<b>Project Title - URL Shortener</b>
<b>Internship Domain - Python Development Intern</b>
<b>Project Level - Intermediate Level</b>
<b>Assigned By- CodeClause Internship</b>
<b>Assigned To- Akash Yadav</b>

<b>Start Date - 01 Feb 2024</b>	<b>End Date - 01 Mar 2024</b>
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## Project Details-

### Aim -

Develop a URL shortener that takes a long URL as input and generates a shortened version.

### Description-

Create a Python script that interacts with a URL shortening service or uses a custom algorithm to generate short URLs. The script should take a long URL as input and output the corresponding shortened URL.

### Technologies-

Python  
You can use other technologies that you know.

### What You Learn-

String manipulation and algorithms, Input handling

<b>Project ID - #CC9883</b>
<b>Project Title - Real-time Chat Application</b>
<b>Internship Domain - Python Development Intern</b>
<b>Project Level - Golden Level</b>
<b>Assigned By- CodeClause Internship</b>
<b>Assigned To- Akash Yadav</b>

<b>Start Date - 01 Feb 2024</b>	<b>End Date - 01 Mar 2024</b>
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**Project Details-**

**Aim -**

Build a real-time chat application.

**Description-**

Develop a chat app using WebSocket technology to enable real-time communication.

**Technologies-**

Python, Flask/Django, Database (SQLite/MySQL/PostgreSQL),  
You can use other technologies that you know.

**What You Learn-**

WebSocket communication, real-time applications.

<b>Project ID - #CC9884</b>
<b>Project Title - Assistant with UI</b>
<b>Internship Domain - Python Development Intern</b>
<b>Project Level - Golden Level</b>
<b>Assigned By- CodeClause Internship</b>
<b>Assigned To- Akash Yadav</b>

<b>Start Date - 01 Feb 2024</b>	<b>End Date - 01 Mar 2024</b>
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**Project Details-**

**Aim -**

Interactive Voice Assistant with User Interface.

**Description-**

Create a user-friendly voice assistant with a graphical user interface. When the user clicks the microphone button, the application should record the user's voice, process the command, and display the interpreted command on the screen. The assistant should then respond with relevant information, solutions, or feedback based on the command.

**Technologies-**

Python, Flask/Django, Database (SQLite/MySQL/PostgreSQL),  
You can use other technologies that you know.

**What You Learn-**

Voice recognition integration with UI, Text-to-speech synthesis, Handling user commands and providing appropriate feedback

## **Instructions-**

1. There are no technology restrictions for project development. You are free to use any technology you are familiar with..
2. Ensure timely submission of projects before the deadlines.
3. There are no restrictions on completing entry-level and intermediate projects.
4. Avoid copying and pasting code. Be original in your submissions.
5. Upon completion, submit your all projects on [app.internship.codeclause.com](https://app.internship.codeclause.com).

## **Eligibility Criteria:**

1. Completion of one project makes you eligible for a certificate.
2. Completion of two projects (entry-level and intermediate) qualifies you for a certificate and Letter of Recommendation (LoR).
3. Completion of two projects (entry-level and intermediate) with one golden project makes you eligible for swags verification.
4. It only eligibles to you for swags verification it doesn't means that you are eligible for swags.
5. There are two golden projects you need to do any of them.
6. There is not technology restrictions for projects.
7. If project found copied then you are eligible for swgas.
8. If golden project needs to be dynamic and proper working.
9. Console based projects are not eligible for swags. Proper Ui is required to eligible for swags.
10. Needs to post video of demo of golden project on LinkedIn and it should includes only the output of project no need to share the code.